

CLAIMSWe Claim:

1. A compound selected from: 8-(4-methyl-1-piperazinyl)-N-[4-(4-morpholinyl)phenyl]-
5 4-oxo-4H-chromene-2-carboxamide;
2-{1-[4-(2-Methoxy-phenyl)-piperazin-1-yl]-methanoyl}-8-(4-methyl-piperazin-1-yl)-
chromen-4-one,
2-{1-[4-(1-Acetyl-2,3-dihydro-1H-indol-6-yl)-piperazin-1-yl]-methanoyl}-8-(4-methyl-
piperazin-1-yl)-chromen-4-one;
10 2-Chloro-5-(4-{1-[8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromen-2-yl]-methanoyl}-
piperazin-1-yl)-benzonitrile;
2-{1-[4-(4-Methoxy-phenyl)-piperazin-1-yl]-methanoyl}-8-(4-methyl-piperazin-1-yl)-
chromen-4-one;
8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (5-furan-2-yl-1H-pyrazol-
15 3-yl)-amide;
8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-imidazol-1-yl-phenyl)-
amide;
8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-[1,2,3]thiadiazol-5-yl-
phenyl)-amide;
20 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid 4-[1,2,3]thiadiazol-5-yl-
benzylamide;
8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-acetyl-piperazin-1-
yl)-phenyl]-amide;
8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-methanesulfonyl-
25 piperazin-1-yl)-phenyl]-amide;
8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (2-methoxy-4-morpholin-
4-yl-phenyl)-amide;
8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (3-chloro-4-morpholin-4-
yl-phenyl)-amide;
30 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-thiomorpholin-4-yl-
phenyl)-amide;

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- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (2,5-diethoxy-4-morpholin-4-yl-phenyl)-amide;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-cyanomethyl-phenyl)-amide;
- 5 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (1H-indol-5-yl)-amide;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(1-morpholin-4-yl-methanoyl)-phenyl]-amide;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(2,6-dimethyl-morpholin-4-yl)-phenyl]-amide;
- 10 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-fluoro-phenoxy)-phenyl]-amide;
- 8-(4-Methyl-piperazin-1-yl)-2-(6-morpholin-4-yl-benzooxazol-2-yl)-chromen-4-one;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (2-hydroxy-4-morpholin-4-yl-phenyl)-amide;
- 15 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (5-ethoxy-benzothiazol-2-yl)-amide;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-bromo-phenyl)-amide;
- 8-(4-Methylpiperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid methyl-(4-morpholin-4-yl-phenyl)amide;
- 20 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (3-morpholin-4-yl-phenyl)-amide;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (3-cyano-4-morpholin-4-yl-phenyl)-amide;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (3-fluoro-4-morpholin-4-yl-phenyl)-amide;
- 25 4-[4-(1-[8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromen-2-yl]-methanoyl)-amino]-phenyl]-piperazine-1-carboxylic acid *tert*-butyl ester;
- 8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-piperazin-1-yl-phenyl)-amide;
- 30 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-morpholin-4-yl-phenyl)-amide;

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- 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-methanesulfonyl-piperazin-1-yl)-phenyl]-amide;
 - 6-Methoxy-8-(4-Methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (3-chloro-4-morpholin-4-yl-phenyl)-amide;
 - 5 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (3-fluoro-4-morpholin-4-yl-phenyl)-amide;
 - 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (2-methoxy-4-morpholin-4-yl-phenyl)-amide;
 - 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-
 - 10 thiomorpholin-4-yl-phenyl)-amide;
 - 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(2,6-dimethyl-morpholin-4-yl)-phenyl]-amide;
 - 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (3-morpholin-4-yl-phenyl)-amide;
 - 15 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid {4-[4-(2-hydroxy-ethyl)-piperazin-1-yl]-phenyl}-amide;
 - 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(1-morpholin-4-yl-methanoyl)-phenyl]-amide;
 - 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (3-cyano-4-
 - 20 morpholin-4-yl-phenyl)-amide;
 - 4-[4-(1-[6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromen-2-yl]-methanoyl)-amino)-phenyl]-piperazine-1-carboxylic acid *tert*-butyl ester
 - 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-piperazin-1-yl-phenyl)-amide;
 - 25 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-propionyl-piperazin-1-yl)-phenyl]-amide;
 - 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-ethane sulfonyl-piperazin-1-yl)-phenyl]-amide;
 - 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-
 - 30 dimethyl sulfamoyl-piperazin-1-yl)-phenyl]-amide;
 - 4-[4-(1-[6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromen-2-yl]-methanoyl)-amino)-phenyl]-piperazine-1-carboxylic acid dimethylamide;

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- 4-[4-(1-[6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromen-2-yl]-methanoyl)-amino)-phenyl]-piperazine-1-carboxylic acid ethylamide;
 - 4-[4-(1-[6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromen-2-yl]-methanoyl)-amino)-phenyl]-piperazine-1-carboxylic acid cyclohexylamide;
 - 5 4-[4-(1-[6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromen-2-yl]-methanoyl)-amino)-phenyl]-piperazine-1-carboxylic acid cyclopentylamide;
 - 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid {4-[4-(1-pyrrolidin-1-yl-methanoyl)-piperazin-1-yl]-phenyl}-amide;
 - 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid {4-[4-
 - 10 (propane-2-sulfonyl)-piperazin-1-yl]-phenyl}-amide;
 - 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid {4-[4-(2-methyl-propanoyl)-piperazin-1-yl]-phenyl}-amide;
 - 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid {4-[4-(1-morpholin-4-yl-methanoyl)-piperazin-1-yl]-phenyl}-amide;
 - 15 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-morpholin-4-yl-phenyl)-amide;
 - 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-methanesulfonyl-piperazin-1-yl)-phenyl]-amide;
 - 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-acetyl-
 - 20 piperazin-1-yl)-phenyl]-amide;
 - 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (3-chloro-4-morpholin-4-yl-phenyl)-amide;
 - 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (3-fluoro-4-morpholin-4-yl-phenyl)-amide;
 - 25 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (3-cyano-4-morpholin-4-yl-phenyl)-amide;
 - 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(1-morpholin-4-yl-methanoyl)-phenyl]-amide;
 - 6-Methyl-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-morpholin-4-
 - 30 yl-phenyl)-amide;
 - 6-Methyl-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(1-morpholin-4-yl-methanoyl)-phenyl]-amide;

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- 6-Methyl-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (3-fluoro-4-morpholin-4-yl-phenyl)-amide;
- 6-Chloro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-morpholin-4-yl-phenyl)-amide;
- 5 5-Methyl-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-morpholin-4-yl-phenyl)-amide;
- 5-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-morpholin-4-yl-phenyl)-amide;
- 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid {4-[4-(3-
- 10 hydroxy-propanoyl)-piperazin-1-yl]-phenyl}-amide;
- 4-[4-(1-[6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromen-2-yl]-methanoyl)-amino]-phenyl]-piperazine-1-carboxylic acid *tert*-butyl ester;
- 4-[4-(1-[6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-piperazin-1-yl-phenyl)-amide;
- 15 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-ethane sulfonyl-piperazin-1-yl)-phenyl]-amide;
- 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-propionyl-piperazin-1-yl)-phenyl]-amide; and
- 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid {4-[4-(3-
- 20 hydroxy-propanoyl)-piperazin-1-yl]-phenyl}-amide;
or a pharmaceutically acceptable salt thereof.

2. A compound selected from: 8-(4-methyl-1-piperazinyl)-*N*-(4-(4-morpholinyl)phenyl)-4-oxo-4*H*-chromene-2-carboxamide;
- 25 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4*H*-chromene-2-carboxylic acid (4-morpholin-4-yl-phenyl)-amide;
- 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4*H*-chromene-2-carboxylic acid [4-(4-propionyl-piperazin-1-yl)-phenyl]-amide;
- 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4*H*-chromene-2-carboxylic acid [4-(4-ethane
- 30 sulfonyl-piperazin-1-yl)-phenyl]-amide;
- 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4*H*-chromene-2-carboxylic acid [4-(4-acetyl-piperazin-1-yl)-phenyl]-amide;

6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-ethanesulfonyl-piperazin-1-yl)-phenyl]-amide; and

6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-propionyl-piperazin-1-yl)-phenyl]-amide;

5 or a pharmaceutically acceptable salt thereof.

3. 8-(4-methyl-1-piperazinyl)-N-[4-(4-morpholinyl)phenyl]-4-oxo-4H-chromene-2-carboxamide; or a pharmaceutically acceptable salt thereof.

10 4. 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid (4-morpholin-4-yl-phenyl)-amide; or a pharmaceutically acceptable salt thereof.

5. 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-propionyl-piperazin-1-yl)-phenyl]-amide; or a pharmaceutically acceptable salt thereof.

15 6. 6-Methoxy-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-ethane sulfonyl-piperazin-1-yl)-phenyl]-amide; or a pharmaceutically acceptable salt thereof.

7. 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-acetyl-piperazin-1-yl)-phenyl]-amide; or a pharmaceutically acceptable salt thereof.

20 8. 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-ethanesulfonyl-piperazin-1-yl)-phenyl]-amide; or a pharmaceutically acceptable salt thereof.

25 9. 6-Fluoro-8-(4-methyl-piperazin-1-yl)-4-oxo-4H-chromene-2-carboxylic acid [4-(4-propionyl-piperazin-1-yl)-phenyl]-amide; or a pharmaceutically acceptable salt thereof.